

Appl. No. 10/565,489
Amendment Dated 10/19/2009
Reply to Office Action of 07/21/2009

Listing of Claims:

1. (Currently Amended) A boiler apparatus for leading fluid from a plurality of upper walls to a ceiling wall through a ceiling wall inlet header and for leading fluid from a nose wall to auxiliary side walls ~~though~~ through outlet connecting ducts, comprising:

a ceiling wall inlet mixing header is installed between the plurality of upper walls and the ceiling wall inlet header;

the plurality of upper walls including side walls, a front wall, and a screen pipe, and not including the nose wall; and

the ceiling wall inlet mixing header with opposite open ends being closed has a bent portion halfway thereof, and mixing header inlet connecting ducts being connected to the side walls, the front wall, and the screen pipe, respectively, are connected to vicinities of one end portion of the ceiling wall inlet mixing header while mixing header outlet connecting ducts extending to the ceiling wall inlet header are connected to vicinities of the other end portion of the ceiling wall inlet mixing header;

wherein the nose wall projects into a boiler furnace, wherein fluid coming from the nose wall is introduced into the auxiliary side walls through the outlet connecting ducts, and wherein the fluid coming from the nose wall is not introduced into the ceiling wall inlet mixing header.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The boiler apparatus according to Claim 1, wherein the ceiling wall inlet mixing header has a bent portion being bent in an L-shape.

5. (Previously Presented) The boiler apparatus according to Claim 1, wherein the ceiling wall inlet mixing header is installed substantially in a central portion in a furnace width direction, and the mixing header outlet

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connecting ducts are disposed substantially symmetrically with respect to the ceiling wall inlet mixing header.